

Serial No. 09/891,584
Art Unit No. 2154

LISTING OF CLAIMS

1. (currently amended) A method for providing variable frequency logging of activities in a distributed computing system comprising a plurality of computing locations having at least one message logger for monitoring messages and for generating message logger output and a plurality of selectively-enabled trace loggers capable of logging system activities from respective computing locations comprising the steps of:

detecting an event trigger comprising a message level error indicative of an error at a computing location based on message logger output;

determining the computing location at which said error occurred;

responsive to the event trigger and the determined computer location, activating a temporary logging function starting logging by a respective selectively-enabled trace logger for logging system activities for at least said one computing location at which said error occurred so that a source of said error can be determined;

logging system activities by the selectively-enabled trace logger; and
AUS920010284

Serial No. 09/891,584

Art Unit No. 2154

terminating logging of system activities based on detection of a stop event by selectively disabling the selectively-enabled trace logger.

2. (original) The method of Claim 1 wherein said activating further comprises implementing filtering of said logging of system activities.

3. (previously presented) The method of Claim 2 further comprising analyzing filtering of system activities to determine corrective action.

4. (original) The method of Claim 1 wherein said activating comprises altering the amount of logging done for system activities.

5. (original) The method of Claim 4 wherein said altering comprises adjusting the frequency at which logging is done on an affected subsystem at an affected location.

6. (previously presented) The method of Claim 1 further comprising determining at least one subsystem

AUS920010284

-3-

Serial No. 09/891,584
Art Unit No. 2154

affected by the event and wherein said activating comprises starting logging at said at least one affected subsystem.

7. (previously presented) The method of Claim 6 wherein said determining comprises tracing from a location at which said event was detected to identify at least one subsystem affected by said event and starting logging at said at least one affected subsystem.

8. (canceled)

9. (canceled)

10. (original) The method of Claim 1 further comprising the step of accessing at least one configuration database for predefined temporary logging information.

11. (original) The method of Claim 7 further comprising the step of accessing at least one configuration database to obtain predefined temporary logging information for said subsystem.

AUS920010284

-4-

Serial No. 09/891,584
Art Unit No. 2154

12. (currently amended) Apparatus for providing selective control of variable frequency logging of activities in a distributed computing system comprising a plurality of computing locations comprising:

a plurality of logging components comprising at least one message logger, for monitoring messages and for generating message logger output, and at least one selectively-enabled trace logger for logging system activities for each computing location;

an event trigger detection component for detecting at least one predefined trigger event comprising a message level error indicative of an error at a computing location based on message logger output from at least one message logger;

~~a plurality of logging components for logging system activities at a system location;~~

a logging activator responsive to input from the event trigger detection component for determining the location of said error and for temporarily activating at least one selectively-enabled trace logger of said plurality of logging components to log system activities in at least said location of said error; and

AUS920010284

-5-

Serial No. 09/891,584

Art Unit No. 2154

a stop event detection component for detecting a step event and for effecting termination of terminating logging of system activities based on detection of a stop event.

13. (previously presented) The apparatus of Claim 12 further comprising at least one filter for filtering logged system activities for determining corrective action.

14. (original) The apparatus of Claim 12 wherein said stop event detection component comprises a timer for terminating logging after a preset time period.

15. (original) The apparatus of Claim 12 wherein said stop event detection component comprises a component for receiving user input of stop notification.

16. (canceled)

17. (currently amended) The apparatus of Claim 12 ~~Claim 16~~ wherein said mapping component is further adapted to determine the subsystem at which the trigger event occurred.

AUS920010284

-6-

Serial No. 09/891,584
Art Unit No. 2154

18. (original) The apparatus of Claim 17 wherein said mapping component is additionally adapted to identify at least one additional subsystem affected by said trigger event.

19. (original) The apparatus of Claim 17 wherein said logging activator activates logging at each of said at least one additional subsystem.

20. (original) The apparatus of Claim 12 wherein said logging activator comprises means to alter the frequency at which the logging of system activities is done.

21. (currently amended) A program storage device readable by machine tangibly embodying a program of instructions executable by the machine to perform a method for providing variable frequency logging of activities in a distributed computing system comprising a plurality of computing locations having at least one message logger for monitoring messages and for generating message logger output and a plurality of selectively-enabled trace loggers capable of logging system activities from respective computing locations, said method comprising the steps of:

AUS920010284

-7-

Serial No. 09/891,584

Art Unit No. 2154

detecting an event trigger comprising a message level error indicative of an error at a computing location based on message logger output;

determining the computing location at which said error occurred;

responsive to the event trigger and the determined computer location, activating a temporary logging function starting logging by a respective selectively-enabled trace logger for logging system activities for at least said one computing location at which said error occurred so that a source of said error can be determined;

logging system activities by the selectively-enabled trace logger; and

terminating logging of system activities based on detection of a stop event by selectively disabling the selectively-enabled trace logger.

22. (previously presented) The method of Claim 4 wherein said altering comprises gradually adjusting said logging.

23. (previously presented) The method of Claim 1 wherein said activating comprises dynamically setting a

AUS920010284

-8-

Serial No. 09/891,584
Art Unit No. 2154

logging and tracing configuration for the distributed computing system based on said detected event.

24. (previously presented) The method of Claim 23 wherein said activating further comprises implementing filtering of said logging of system activities to determine corrective action.

25. (previously presented) The apparatus of Claim 12 wherein said logging activator comprises means for dynamically setting a logging and tracing configuration for the distributed computing system based on said detected event.

AUS920010284

-9-